

CLAIM LISTING

1. (Currently Amended) ~~Injectable~~ An injectable bone filler comprising calcium salt particles, an organic binder having an affinity for calcium salt, cells ~~chosen~~ selected from the group consisting of stem cells, osteogenic cells, and osteoprogenitor cells, and a pharmaceutically acceptable buffer.
2. (Currently Amended) [[A]] The bone filler according to claim 1, wherein the particles are of a calcium salt and are ~~chosen~~ selected from the group consisting of calcium phosphates, monetite, brushite, ~~(CaHPO₄)~~ CaHPO₄, calcium pyrophosphate, and calcium carbonate, ~~and or~~ combinations thereof.
3. (Currently Amended) [[A]] The bone filler according to claim 2, wherein the calcium salt is hydroxyapatite, ~~(β-calcium or β-calcium phosphate, and or a combination~~ combinations thereof.
4. (Currently Amended) [[A]] The bone filler according to claim 3, wherein the particles have a diameter in the range of 100 to 600 μm, ~~preferably 200 to 400 μm.~~
5. (Currently Amended) [[A]] The bone filler according to claim 1, wherein the binder is ~~chosen~~ selected from the group consisting of alginates, dextrans, cellulose, cellulose derivatives, plasma, biogenic binders, and hyaluronic acid, ~~and or~~ combinations thereof.
6. (Currently Amended) [[A]] The bone filler according to claim 5, wherein the binder is ~~chosen~~ selected from the group consisting of hyaluronic acid, sodium alginate, sodium carboxymethyl cellulose, dextran, fibrin glue, and trans glutaminase.
7. (Currently Amended) [[A]] The bone filler according to claim 6, wherein the binder is sodium alginate.

8. (Currently Amended) ~~[[A]]~~ The bone filler according to claim 1, wherein the binder is present in an amount of from 0.5 to 10 wt.%, ~~preferably from 3 to 7 wt.%,~~ based on the weight of the bone filler.
9. (Currently Amended) ~~[[A]]~~ The bone filler according to claim 1, wherein the buffer is phosphate buffer saline (PBS).
10. (Currently Amended) ~~[[A]]~~ The bone filler according to claim 1, having a solids content of 30-70, ~~preferably 40-60 wt.%,~~
11. (Currently Amended) ~~[[A]]~~ The bone filler according to claim 1, having a viscosity between 30,000 and 100,000 centipoises.
12. (Currently Amended) ~~[[A]]~~ The bone filler according to claim 1, further comprising an angiogenic factor.
13. (Currently Amended) ~~[[A]]~~ The bone filler according to claim 1, wherein the cells are present in seeded form ~~onto~~ on the calcium salt particles.
14. (Currently Amended) ~~[[A]]~~ The bone filler according to claim 1, further comprising an osteoinductive factor.
15. (Currently Amended) A syringe comprising a needle and a reservoir, which reservoir comprises ~~[[an]]~~ the injectable bone filler according to claim 1.
16. (Currently Amended) ~~[[A]]~~ The syringe according to claim 15, wherein the needle has a length between 5 and 20 mm, and a diameter between 2 and 5 mm.
17. (Currently Amended) A method for preparing ~~[[an]]~~ the injectable bone filler according to claim 1, comprising mixing the binder and the buffer to prepare a gel, adding the calcium salt particles to the gel, and homogenizing to obtain the bone filler.

18. (Currently Amended) [[A]] The method according to claim 17, in which cells are seeded onto the calcium salt particles before they are added to the gel, or wherein cells are introduced after combining calcium salt particles and the gel, and wherein the cells being chosen are selected from the group consisting of stem cells, osteogenic cells, and osteoprogenitor cells.

19. (Currently Amended) A method for repairing an osseous defect comprising injecting [[an]] the injectable bone filler according to claim 1 into the defect.

20. (New) The bone filler according to claim 3, wherein the particles have a diameter in the range of 200 to 400 μm .

21. (New) The bone filler according to claim 1, wherein the binder is present in an amount of from 3 to 7 wt.%, based on the weight of the bone filler.

22. (New) The bone filler according to claim 1, having a solids content of 40-60 wt.%.